

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

|                             |         |
|-----------------------------|---------|
| <b>C Number:</b>            | C50602A |
| <b>Cage Range:</b>          | All     |
| <b>Date Range:</b>          | All     |
| <b>Reasons For Removal:</b> | All     |
| <b>Removal Date Range:</b>  | All     |
| <b>Treatment Groups:</b>    | All     |
| <b>Study Gender:</b>        | Male    |

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_501

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

|                 |                              |                                |
|-----------------|------------------------------|--------------------------------|
| Brain           | Olfactory Sensory Epithelium | Atrophy, Nos                   |
| Lung            |                              | Alveolar/Bronchiolar Adenoma   |
|                 |                              | Alveolar/Bronchiolar Carcinoma |
| Nasal cavity    |                              | Fibrosis                       |
|                 |                              | Inflammation, Chronic          |
| Preputial gland |                              | Squamous Cell Carcinoma        |
| Testis          |                              | Atrophy, Nos                   |

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_502

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

|                 |                                  |
|-----------------|----------------------------------|
| Bone marrow     | Atrophy, Nos                     |
| Heart           | Hemangiosarcoma                  |
| Liver           | Clear-Cell Change                |
|                 | Hemangiosarcoma, Metastatic      |
|                 | Hemorrhage                       |
| Lung            | Alveolar/Bronchiolar Adenoma     |
|                 | Hyperplasia, Alveolar Epithelium |
| Nasal cavity    | Fibrosis                         |
|                 | Inflammation, Chronic            |
| Preputial gland | Carcinoma, Nos                   |
| Salivary gland  | Inflammation, Nos                |
| Thymus          | Lymphoma, Nos-Malignant          |
| Thyroid         | Cyst, Nos                        |

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_503

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|              |                              |                                  |
|--------------|------------------------------|----------------------------------|
| Bone marrow  |                              | Atrophy, Nos                     |
| Brain        | Olfactory Sensory Epithelium | Atrophy, Nos<br>Corpora Amylacea |
| Heart        |                              | Hemangiosarcoma                  |
| Kidney       |                              | Hemangiosarcoma, Metastatic      |
| Liver        |                              | Hemangiosarcoma, Metastatic      |
| Nasal cavity |                              | Fibrosis                         |
|              |                              | Inflammation, Chronic            |
| Stomach      | Forestomach                  | Hyperplasia, Epithelial          |
| Trachea      |                              | Metaplasia, Squamous             |

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_504

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain  
Lung  
Nasal cavity

Olfactory Sensory Epithelium

Atrophy, Nos  
Hemorrhage  
Fibrosis  
Inflammation, Chronic  
Metaplasia, Osseous  
Lymphoma, Nos-Malignant

Unspecified

Multiple Organs Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_505

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain  
Nasal cavity

Olfactory Sensory Epithelium

Atrophy, Nos  
Fibrosis  
Inflammation, Chronic  
Metaplasia, Cartilaginous

Stomach

Forestomach  
Forestomach

Inflammation, Focal  
Ulcer, Nos

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_506

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

|              |                              |                                     |
|--------------|------------------------------|-------------------------------------|
| Brain        | Olfactory Sensory Epithelium | Atrophy, Nos                        |
| Heart        |                              | Hyperplasia, Atypical               |
| Liver        |                              | Necrosis, Nos                       |
| Nasal cavity |                              | Fibrosis                            |
|              |                              | Inflammation, Chronic               |
|              |                              | Inflammation, Suppurative           |
| Stomach      | Forestomach                  | Squamous Cell Carcinoma             |
| Testis       |                              | Atrophy, Nos                        |
| Unspecified  | Multiple Organs Nos          | Squamous Cell Carcinoma, Metastatic |

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_507

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

|              |                              |                       |
|--------------|------------------------------|-----------------------|
| Bone marrow  |                              | Atrophy, Nos          |
| Brain        | Olfactory Sensory Epithelium | Atrophy, Nos          |
| Nasal cavity |                              | Fibrosis              |
|              |                              | Inflammation, Chronic |
| Testis       |                              | Atrophy, Nos          |
| Trachea      |                              | Metaplasia, Squamous  |

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**PRIMARY CAUSE OF DEATH** -

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**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_508

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Brain  
Nasal cavity

Olfactory Sensory Epithelium

Atrophy, Nos  
Fibrosis  
Inflammation, Chronic  
Lymphoma, Nos-Malignant

Unspecified

Multiple Organs Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_509

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain  
Lung  
Nasal cavity

Olfactory Sensory Epithelium

Atrophy, Nos  
Congestion, Nos  
Fibrosis  
Inflammation, Chronic  
Metaplasia, Cartilaginous  
Metaplasia, Osseous  
Lymphoma, Nos-Malignant

Unspecified

Multiple Organs Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_510

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

|              |                              |  |
|--------------|------------------------------|--|
| Bone marrow  |                              | Hyperplasia, Granulocytic  |
| Brain        | Olfactory Sensory Epithelium | Atrophy, Nos<br>Corpora Amylacea   |
| Heart        |                              | Hyperplasia, Atypical  |
| Liver        |                              | Hematopoiesis  |
| Lung         |                              | Alveolar/Bronchiolar Carcinoma   |
| Nasal cavity |                              | Fibrosis<br>Inflammation, Chronic<br>Inflammation, Suppurative<br>Metaplasia, Cartilaginous<br>Metaplasia, Osseous<br>Metaplasia, Squamous |
| Spleen       |                              | Hematopoiesis  |
| Unspecified  |                              | Inflammation, Chronic  |
| Zymbal gland |                              | Carcinoma, Nos   |

**PRIMARY CAUSE OF DEATH** -

**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_511

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125000 PPM

**DISP:** Accidentally Killed

**HISTO:**

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**OBSERVATIONS**

|              |                           |
|--------------|---------------------------|
| Lung         | Congestion, Nos           |
| Nasal cavity | Inflammation, Suppurative |
| Thymus       | Atrophy, Nos              |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_512

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Brain

Lung

Nasal cavity

Thymus

Unspecified

Olfactory Sensory Epithelium

Multiple Organs Nos

Atrophy, Nos

Atrophy, Nos

Hemorrhage

Inflammation, Focal

Fibrosis

Inflammation, Chronic

Metaplasia, Cartilaginous

Atrophy, Nos

Mineralization

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_513

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Brain  
Lung  
Nasal cavity

Olfactory Sensory Epithelium

Atrophy, Nos  
Congestion, Nos  
Fibrosis  
Inflammation, Chronic  
Inflammation, Nos  
Metaplasia, Cartilaginous  
Lymphoma, Nos-Malignant

Unspecified

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_514

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Brain  
Heart  
Lung  
Nasal cavity

Olfactory Sensory Epithelium

Atrophy, Nos  
Mineralization  
Hemorrhage  
Fibrosis  
Inflammation, Chronic  
Inflammation, Serous  
Metaplasia, Cartilaginous  
Inflammation, Suppurative  
Lymphoma, Nos-Malignant

Trachea  
Unspecified

Multiple Organs Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_515

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Bone marrow  
Preputial gland  
Skin  
Spleen

Hyperplasia, Granulocytic  
Cyst, Nos  
Inflammation, Nos  
Hematopoiesis

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_517

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain  
Eye  
Nasal cavity

Olfactory Sensory Epithelium

Atrophy, Nos  
Microphthalmia  
Fibrosis  
Inflammation, Chronic  
Metaplasia, Osseous  
Lymphoma, Nos-Malignant

Unspecified

Multiple Organs Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_518

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain  
Nasal cavity

Olfactory Sensory Epithelium

Atrophy, Nos  
Fibrosis  
Inflammation, Chronic  
Hyperplasia, Epithelial  
Lymphoma, Nos-Malignant

Stomach  
Unspecified

Forestomach  
Multiple Organs Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_519

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

|              |                              |                                  |
|--------------|------------------------------|----------------------------------|
| Brain        | Olfactory Sensory Epithelium | Atrophy, Focal                   |
| Heart        |                              | Hemangiosarcoma                  |
| Liver        |                              | Hemangiosarcoma, Metastatic      |
|              |                              | Hemorrhage                       |
|              |                              | Hepatocellular Adenoma           |
| Lung         |                              | Necrosis, Nos                    |
|              |                              | Alveolar/Bronchiolar Adenoma     |
| Nasal cavity |                              | Hyperplasia, Alveolar Epithelium |
|              |                              | Fibrosis                         |
|              |                              | Inflammation, Chronic            |
|              |                              | Metaplasia, Cartilaginous        |
|              |                              | Metaplasia, Osseous              |
| Pancreas     |                              | Atrophy, Nos                     |
| Stomach      | Forestomach                  | Hyperplasia, Epithelial          |
|              | Forestomach                  | Inflammation, Suppurative        |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_520

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

|              |                              |                         |
|--------------|------------------------------|-------------------------|
| Brain        | Olfactory Sensory Epithelium | Atrophy, Nos            |
| Heart        |                              | Degeneration, Nos       |
|              |                              | Mineralization          |
| Liver        |                              | Necrosis, Focal         |
| Lung         |                              | Hemorrhage              |
| Nasal cavity |                              | Fibrosis                |
|              |                              | Inflammation, Chronic   |
|              |                              | Metaplasia, Osseous     |
| Pancreas     |                              | Atrophy, Nos            |
| Unspecified  | Multiple Organs Nos          | Lymphoma, Nos-Malignant |

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_521

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain  
Nasal cavity

Olfactory Sensory Epithelium

Atrophy, Focal  
Fibrosis  
Inflammation, Chronic  
Metaplasia, Cartilaginous  
Metaplasia, Osseous  
Lymphoma, Nos-Malignant

Unspecified

Multiple Organs Nos

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_522

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125000 PPM

**DISP:** Accidentally Killed

**HISTO:**

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**OBSERVATIONS**

Lung  
Nasal cavity  
Trachea

Congestion, Nos  
Inflammation, Suppurative  
Metaplasia, Squamous

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_523

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

|              |                              |                           |
|--------------|------------------------------|---------------------------|
| Brain        | Olfactory Sensory Epithelium | Atrophy, Nos              |
| Heart        |                              | Hemangiosarcoma           |
| Liver        |                              | Necrosis, Nos             |
| Nasal cavity |                              | Fibrosis                  |
|              |                              | Inflammation, Chronic     |
|              |                              | Metaplasia, Cartilaginous |
| Testis       |                              | Atrophy, Nos              |
| Unspecified  | Multiple Organs Nos          | Lymphoma, Nos-Malignant   |

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_524

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Brain  
Nasal cavity

Olfactory Sensory Epithelium

Atrophy, Nos  
Fibrosis  
Inflammation, Chronic  
Metaplasia, Cartilaginous  
Metaplasia, Osseous  
Lymphoma, Nos-Malignant

Unspecified

Multiple Organs Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_525

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125000 PPM

**DISP:** Accidentally Killed

**HISTO:**

---

**OBSERVATIONS**

|                 |                             |
|-----------------|-----------------------------|
| Heart           | Hemorrhage                  |
|                 | Necrosis, Focal             |
| Kidney          | Pyelonephritis, Acute       |
| Liver           | Necrosis, Focal             |
| Lung            | Congestion, Nos             |
| Lymph node      | Inflammation, Acute/Chronic |
| Seminal vesicle | Dilatation, Nos             |
| Thymus          | Atrophy, Nos                |
| Urinary bladder | Hyperplasia, Epithelial     |

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_526

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

|              |                              |                              |
|--------------|------------------------------|------------------------------|
| Bone marrow  |                              | Atrophy, Nos                 |
| Brain        | Olfactory Sensory Epithelium | Atrophy, Focal               |
| Kidney       |                              | Hemangiosarcoma, Invasive    |
| Liver        |                              | Degeneration, Nos            |
|              |                              | Necrosis, Nos                |
| Lung         |                              | Alveolar/Bronchiolar Adenoma |
| Nasal cavity |                              | Fibrosis                     |
|              |                              | Inflammation, Chronic        |
| Pancreas     |                              | Hemangiosarcoma, Invasive    |
| Peritoneum   | Peritoneal Cavity Nos        | Hemangiosarcoma              |
| Stomach      | Forestomach                  | Hyperkeratosis               |
|              | Forestomach                  | Inflammation, Chronic        |
| Testis       |                              | Atrophy, Nos                 |
|              |                              | Inflammation, Nos            |
| Unspecified  | Mediastinum Nos              | Hemangiosarcoma, Metastatic  |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_527

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

|               |                     |                              |
|---------------|---------------------|------------------------------|
| Adrenal gland | Cortex Nos          | Hypertrophy, Nos             |
| Heart         |                     | Thrombosis, Nos              |
| Liver         |                     | Hepatocellular Carcinoma     |
| Lung          |                     | Alveolar/Bronchiolar Adenoma |
| Nasal cavity  |                     | Hemorrhage                   |
| Unspecified   | Multiple Organs Nos | Fibrosis                     |
|               |                     | Inflammation, Chronic        |
|               |                     | Lymphoma, Nos-Malignant      |

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_528

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

|              |             |                              |
|--------------|-------------|------------------------------|
| Bone marrow  |             | Hyperplasia, Granulocytic    |
| Brain        |             | Glioma, Nos                  |
| Kidney       |             | Inflammation, Nos            |
| Lung         |             | Alveolar/Bronchiolar Adenoma |
| Nasal cavity |             | Glioma, Invasive             |
| Stomach      | Forestomach | Hyperplasia, Epithelial      |
| Zymbal gland |             | Carcinoma, Nos               |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_529

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|       |                              |
|-------|------------------------------|
| Heart | Hemangiosarcoma              |
| Liver | Hemangiosarcoma, Metastatic  |
|       | Hemorrhage                   |
|       | Necrosis, Focal              |
| Lung  | Alveolar/Bronchiolar Adenoma |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_530

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain  
Liver  
Nasal cavity

Olfactory Sensory Epithelium

Atrophy, Nos  
Necrosis, Nos  
Fibrosis  
Inflammation, Chronic  
Metaplasia, Cartilaginous  
Lymphoma, Nos-Malignant

Unspecified

Multiple Organs Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_531

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

|              |                              |                         |
|--------------|------------------------------|-------------------------|
| Brain        | Olfactory Sensory Epithelium | Atrophy, Nos            |
| Heart        |                              | Mineralization          |
| Lymph node   |                              | Necrosis, Nos           |
| Nasal cavity |                              | Fibrosis                |
|              |                              | Inflammation, Chronic   |
| Stomach      | Forestomach                  | Metaplasia, Osseous     |
| Unspecified  | Multiple Organs Nos          | Hyperplasia, Epithelial |
|              |                              | Lymphoma, Nos-Malignant |

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_532

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

|         |                    |                                |
|---------|--------------------|--------------------------------|
| Eye     | Lacrimal Apparatus | Hyperplasia, Epithelial        |
| Kidney  |                    | Inflammation, Nos              |
| Lung    |                    | Alveolar/Bronchiolar Carcinoma |
| Stomach | Forestomach        | Hyperplasia, Epithelial        |
| Testis  |                    | Atrophy, Nos                   |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_533

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

|             |                     |                              |
|-------------|---------------------|------------------------------|
| Brain       |                     | Hemorrhage                   |
| Heart       |                     | Thrombosis, Nos              |
| Lung        |                     | Alveolar/Bronchiolar Adenoma |
|             |                     | Hemorrhage                   |
|             |                     | Thrombosis, Nos              |
| Unspecified | Multiple Organs Nos | Lymphoma, Nos-Malignant      |

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_534

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

|             |                     |                         |
|-------------|---------------------|-------------------------|
| Lung        |                     | Congestion, Nos         |
| Testis      |                     | Atrophy, Nos            |
| Unspecified | Multiple Organs Nos | Lymphoma, Nos-Malignant |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_535

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

|              |                              |                              |
|--------------|------------------------------|------------------------------|
| Brain        | Olfactory Sensory Epithelium | Atrophy, Nos                 |
| Heart        |                              | Hemangiosarcoma              |
| Liver        |                              | Hemangiosarcoma, Metastatic  |
|              |                              | Hemorrhage                   |
| Lung         |                              | Alveolar/Bronchiolar Adenoma |
|              |                              | Congestion, Nos              |
| Nasal cavity |                              | Fibrosis                     |
|              |                              | Inflammation, Chronic        |
|              |                              | Metaplasia, Cartilaginous    |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_536

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Kidney

Pelvis

Inflammation, Suppurative

Lung

Congestion, Nos

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_538

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

|                 |                              |  |
|-----------------|------------------------------|--|
| Brain           | Olfactory Sensory Epithelium | Atrophy, Nos                               |
| Heart           |                              | Hemangiosarcoma                            |
| Kidney          |                              | Alveolar/Bronchiolar Carcinoma, Metastatic |
| Lung            |                              | Alveolar/Bronchiolar Carcinoma             |
| Nasal cavity    |                              | Fibrosis                                   |
|                 |                              | Inflammation, Chronic                      |
| Skeletal muscle | Thorax                       | Alveolar/Bronchiolar Carcinoma, Invasive   |

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_539

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Lung  
Nasal cavity

Capsule

Hyperplasia, Nos  
Alveolar/Bronchiolar Carcinoma  
Fibrosis  
Inflammation, Chronic  
Lymphoma, Nos-Malignant

Unspecified

Multiple Organs Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_540

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125000 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Brain  
Nasal cavity

Olfactory Sensory Epithelium

Atrophy, Focal  
Fibrosis  
Inflammation, Chronic  
Metaplasia, Cartilaginous  
Metaplasia, Osseous  
Inflammation, Suppurative  
Hyperplasia, Epithelial  
Lymphoma, Nos-Malignant  
Hyperplasia, Epithelial

Seminal vesicle  
Stomach  
Unspecified  
Urinary bladder

Forestomach  
Multiple Organs Nos

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_541

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

|             |                     |                         |
|-------------|---------------------|-------------------------|
| Lung        |                     | Congestion, Nos         |
| Unspecified | Multiple Organs Nos | Lymphoma, Nos-Malignant |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_542

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

|              |                              |                              |
|--------------|------------------------------|------------------------------|
| Brain        | Olfactory Sensory Epithelium | Atrophy, Focal               |
| Lung         |                              | Alveolar/Bronchiolar Adenoma |
|              |                              | Congestion, Nos              |
| Nasal cavity |                              | Fibrosis                     |
|              |                              | Inflammation, Chronic        |
| Unspecified  | Multiple Organs Nos          | Lymphoma, Nos-Malignant      |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_543

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Brain  
Nasal cavity

Olfactory Sensory Epithelium

Atrophy, Nos  
Fibrosis  
Inflammation, Chronic  
Metaplasia, Osseous  
Lymphoma, Nos-Malignant

Unspecified

Multiple Organs Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_544

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Brain  
Lung  
Nasal cavity

Olfactory Sensory Epithelium

Atrophy, Focal  
Congestion, Nos  
Fibrosis  
Inflammation, Chronic  
Metaplasia, Cartilaginous  
Atrophy, Nos  
Lymphoma, Nos-Malignant

Testis  
Unspecified

Multiple Organs Nos

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_545

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|              |                              |                              |
|--------------|------------------------------|------------------------------|
| Brain        | Olfactory Sensory Epithelium | Atrophy, Nos                 |
| Heart        |                              | Mineralization               |
| Lung         |                              | Alveolar/Bronchiolar Adenoma |
| Nasal cavity |                              | Fibrosis                     |
|              |                              | Inflammation, Chronic        |
| Testis       |                              | Atrophy, Nos                 |
| Unspecified  | Multiple Organs Nos          | Lymphoma, Nos-Malignant      |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_546

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Kidney

Infarct, Nos

Lung

Pyelonephritis, Acute

Seminal vesicle

Congestion, Nos

Thymus

Inflammation, Suppurative

Urinary bladder

Atrophy, Nos

Hyperplasia, Epithelial

Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_547

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125000 PPM

**DISP:** Accidentally Killed

**HISTO:**

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**OBSERVATIONS**

Liver

Degeneration, Nos

Stomach

Glandular Stomach

Ulcer, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_548

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Brain  
Lung  
Nasal cavity

Olfactory Sensory Epithelium

Atrophy, Nos  
Congestion, Nos  
Fibrosis  
Inflammation, Chronic  
Metaplasia, Cartilaginous  
Atrophy, Nos  
Lymphoma, Nos-Malignant

Testis  
Unspecified

Multiple Organs Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_549

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Bone marrow  
Brain  
Nasal cavity

Olfactory Sensory Epithelium

Atrophy, Nos  
Atrophy, Focal  
Fibrosis  
Inflammation, Chronic  
Inflammation, Suppurative  
Atrophy, Nos  
Lymphoma, Nos-Malignant

Testis  
Unspecified

Multiple Organs Nos

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_550

**TRT#:** 1  
**DOSE:** 125000 PPM

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

|              |                              |                           |
|--------------|------------------------------|---------------------------|
| Brain        | Olfactory Sensory Epithelium | Atrophy, Nos              |
| Heart        |                              | Degeneration, Nos         |
|              |                              | Mineralization            |
| Kidney       | Glomerulus                   | Mineralization            |
| Lung         |                              | Hemorrhage                |
|              |                              | Mineralization            |
| Nasal cavity |                              | Fibrosis                  |
|              |                              | Inflammation, Chronic     |
|              |                              | Metaplasia, Cartilaginous |
| Unspecified  | Multiple Organs Nos          | Lymphoma, Nos-Malignant   |

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_501

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Heart

Cortex Nos

Hyperplasia, Nos  
Hemangiosarcoma  
Hemorrhage  
Hemangiosarcoma, Metastatic  
Hemorrhage  
Hyperplasia, Alveolar Epithelium

Liver

Lung

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_502

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|             |                     |                         |
|-------------|---------------------|-------------------------|
| Liver       |                     | Hemorrhage              |
| Lung        |                     | Congestion, Nos         |
| Testis      |                     | Atrophy, Nos            |
| Unspecified | Multiple Organs Nos | Lymphoma, Nos-Malignant |

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_503

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Testis

Atrophy, Nos

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_504

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|         |             |                                  |
|---------|-------------|----------------------------------|
| Brain   |             | Corpora Amylacea                 |
| Lung    |             | Alveolar/Bronchiolar Adenoma     |
|         |             | Hyperplasia, Alveolar Epithelium |
| Stomach | Forestomach | Hyperplasia, Epithelial          |
| Testis  |             | Atrophy, Nos                     |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_505

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|             |                     |                                     |
|-------------|---------------------|-------------------------------------|
| Lung        |                     | Alveolar/Bronchiolar Adenoma        |
| Spleen      |                     | Hematopoiesis                       |
| Stomach     | Forestomach         | Squamous Cell Carcinoma             |
| Unspecified | Multiple Organs Nos | Squamous Cell Carcinoma, Metastatic |

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_506

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                   |             |                                  |
|-------------------|-------------|----------------------------------|
| Brain             |             | Corpora Amylacea                 |
| Heart             |             | Hyperplasia, Atypical            |
| Lung              |             | Alveolar/Bronchiolar Adenoma     |
|                   |             | Hyperplasia, Alveolar Epithelium |
| Parathyroid gland |             | Cyst, Nos                        |
| Stomach           | Forestomach | Hyperplasia, Epithelial          |
|                   | Forestomach | Papilloma, Nos                   |
| Testis            |             | Atrophy, Nos                     |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_507

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Atrophy, Nos

Heart

Mineralization

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_508

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|       |                             |
|-------|-----------------------------|
| Heart | Hemangiosarcoma             |
| Lung  | Hemangiosarcoma, Metastatic |
|       | Hemorrhage                  |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_509

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Lung  
Spleen  
Testis

Cortex Nos

Hyperplasia, Nos  
Inflammation, Nos  
Alveolar/Bronchiolar Adenoma  
Hyperplasia, Lymphoid  
Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_510

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Atrophy, Nos

Heart

Hemangiosarcoma

Liver

Degeneration, Nos

Lung

Hyperplasia, Alveolar Epithelium

Thymus

Atrophy, Nos

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_511

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Infarct, Nos

Unspecified

Multiple Organs Nos

Pyelonephritis, Nos

Urinary bladder

Lymphoma, Nos-Malignant

Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_512

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|                 |                     |                         |
|-----------------|---------------------|-------------------------|
| Lung            |                     | Congestion, Nos         |
| Seminal vesicle |                     | Dilatation, Nos         |
| Unspecified     | Multiple Organs Nos | Lymphoma, Nos-Malignant |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_513

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|        |                             |
|--------|-----------------------------|
| Heart  | Hemangiosarcoma             |
| Liver  | Hemangiosarcoma, Metastatic |
|        | Hemorrhage                  |
|        | Necrosis, Nos               |
| Lung   | Hemorrhage                  |
| Testis | Atrophy, Nos                |

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_514

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|             |                 |                              |
|-------------|-----------------|------------------------------|
| Heart       |                 | Hemangiosarcoma              |
| Liver       |                 | Hematoma, Nos                |
|             |                 | Necrosis, Nos                |
| Lung        |                 | Alveolar/Bronchiolar Adenoma |
| Unspecified |                 | Abscess, Nos                 |
|             | Mediastinum Nos | Hematoma, Nos                |

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_515

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|             |                     |                         |
|-------------|---------------------|-------------------------|
| Lung        |                     | Congestion, Nos         |
| Unspecified | Multiple Organs Nos | Lymphoma, Nos-Malignant |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_516

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_517

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_518

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

|              |                     |                         |
|--------------|---------------------|-------------------------|
| Bone marrow  |                     | Atrophy, Nos            |
| Brain        |                     | Glioma, Nos             |
| Heart        |                     | Hyperplasia, Atypical   |
| Liver        | Periportal          | Fibrosis                |
| Lung         |                     | Hemorrhage              |
| Nasal cavity |                     | Glioma, Invasive        |
| Stomach      | Forestomach         | Hyperplasia, Epithelial |
| Unspecified  | Multiple Organs Nos | Lymphoma, Nos-Malignant |

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_519

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Necrosis, Nos

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_520

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|            |             |                                |
|------------|-------------|--------------------------------|
| Heart      |             | Hemangiosarcoma                |
| Kidney     |             | Inflammation, Nos              |
| Liver      |             | Hepatocellular Adenoma         |
| Lung       |             | Alveolar/Bronchiolar Carcinoma |
| Lymph node |             | Hyperplasia, Nos               |
| Skin       |             | Inflammation, Suppurative      |
| Stomach    | Forestomach | Hyperplasia, Epithelial        |
| Testis     |             | Atrophy, Nos                   |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_521

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_522

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Thymus

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_523

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver  
Preputial gland

Hepatocellular Adenoma  
Inflammation, Nos  
Squamous Cell Carcinoma

Spleen

Hematopoiesis

Testis

Atrophy, Nos

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_524

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Atrophy, Nos

Heart

Hemangiosarcoma

Liver

Hemangiosarcoma, Metastatic

Necrosis, Nos

Lung

Alveolar/Bronchiolar Adenoma

Hemangiosarcoma, Metastatic

Hemorrhage

Spleen

Hematopoiesis

Testis

Atrophy, Nos

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_525

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_526

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|        |                             |
|--------|-----------------------------|
| Brain  | Hemorrhage                  |
| Heart  | Hemangiosarcoma             |
| Liver  | Hemangiosarcoma, Metastatic |
|        | Hemorrhage                  |
|        | Necrosis, Focal             |
| Thymus | Atrophy, Nos                |

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_527

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|              |             |                              |
|--------------|-------------|------------------------------|
| Brain        |             | Corpora Amylacea             |
| Lung         |             | Alveolar/Bronchiolar Adenoma |
| Nasal cavity |             | Inflammation, Suppurative    |
| Stomach      | Forestomach | Squamous Cell Papilloma      |
| Testis       |             | Atrophy, Nos                 |
| Trachea      |             | Metaplasia, Squamous         |

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_528

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|             |                     |                         |
|-------------|---------------------|-------------------------|
| Lung        |                     | Necrosis, Focal         |
| Unspecified | Multiple Organs Nos | Lymphoma, Nos-Malignant |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_529

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Heart  
Lung  
Salivary gland

Cortex Nos

Hyperplasia, Nos  
Hyperplasia, Atypical  
Alveolar/Bronchiolar Carcinoma  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_530

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|             |                     |                              |
|-------------|---------------------|------------------------------|
| Liver       |                     | Hepatocellular Carcinoma     |
| Lung        |                     | Alveolar/Bronchiolar Adenoma |
| Stomach     | Forestomach         | Hyperplasia, Epithelial      |
| Testis      |                     | Atrophy, Nos                 |
| Unspecified | Multiple Organs Nos | Lymphoma, Nos-Malignant      |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_531

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|             |                     |                         |
|-------------|---------------------|-------------------------|
| Brain       |                     | Corpora Amylacea        |
| Lung        |                     | Congestion, Nos         |
| Unspecified | Multiple Organs Nos | Lymphoma, Nos-Malignant |

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_532

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                 |             |                              |
|-----------------|-------------|------------------------------|
| Bone marrow     |             | Hyperplasia, Granulocytic    |
| Brain           |             | Glioma, Nos                  |
| Heart           |             | Hyperplasia, Atypical        |
| Kidney          |             | Inflammation, Nos            |
| Liver           |             | Hepatocellular Adenoma       |
| Lung            |             | Alveolar/Bronchiolar Adenoma |
| Preputial gland |             | Squamous Cell Carcinoma      |
| Stomach         | Forestomach | Papilloma, Nos               |
| Testis          |             | Atrophy, Nos                 |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_533

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Heart  
Liver

Cortex Nos

Hyperplasia, Nos  
Hemangiosarcoma  
Hemangiosarcoma, Metastatic  
Necrosis, Focal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_534

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|             |                     |                         |
|-------------|---------------------|-------------------------|
| Brain       |                     | Corpora Amylacea        |
| Unspecified | Multiple Organs Nos | Lymphoma, Nos-Malignant |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_535

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone marrow  
Preputial gland  
Spleen  
Testis  
Unspecified

Multiple Organs Nos

Hyperplasia, Granulocytic  
Abscess, Nos  
Hyperplasia, Granulocytic  
Atrophy, Nos  
Fibrous Histiocytoma, Malignant

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_536

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Lung

Atrophy, Nos

Congestion, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_537

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|       |                             |
|-------|-----------------------------|
| Heart | Hemangiosarcoma             |
| Liver | Hemangiosarcoma, Metastatic |
|       | Hemorrhage                  |
|       | Necrosis, Central           |
| Lung  | Hemangiosarcoma, Metastatic |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_539

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Mineralization

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_540

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                |             |                         |
|----------------|-------------|-------------------------|
| Heart          |             | Hemangiosarcoma         |
| Kidney         |             | Inflammation, Nos       |
| Salivary gland |             | Inflammation, Nos       |
| Stomach        | Forestomach | Squamous Cell Papilloma |
| Testis         |             | Atrophy, Nos            |
| Thymus         |             | Lymphoma, Nos-Malignant |

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_541

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|        |                              |
|--------|------------------------------|
| Heart  | Hemangiosarcoma              |
| Kidney | Inflammation, Nos            |
| Liver  | Hemangiosarcoma, Metastatic  |
|        | Necrosis, Nos                |
| Lung   | Alveolar/Bronchiolar Adenoma |
|        | Hemorrhage                   |

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_542

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Atrophy, Nos

Brain

Corpora Amylacea

Salivary gland

Inflammation, Nos

Testis

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_543

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_544

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                 |             |                              |
|-----------------|-------------|------------------------------|
| Brain           |             | Corpora Amylacea             |
|                 |             | Ependymoma                   |
| Kidney          |             | Inflammation, Nos            |
| Liver           |             | Hepatocellular Carcinoma     |
| Lung            |             | Alveolar/Bronchiolar Adenoma |
| Preputial gland |             | Abscess, Nos                 |
| Stomach         | Forestomach | Squamous Cell Carcinoma      |

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_545

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                 |             |                                  |
|-----------------|-------------|----------------------------------|
| Bone marrow     |             | Hyperplasia, Granulocytic        |
| Kidney          |             | Inflammation, Nos                |
| Lung            |             | Alveolar/Bronchiolar Adenoma     |
|                 |             | Hyperplasia, Alveolar Epithelium |
| Preputial gland |             | Squamous Cell Carcinoma          |
| Salivary gland  |             | Inflammation, Nos                |
| Stomach         | Forestomach | Papilloma, Nos                   |
| Testis          |             | Atrophy, Nos                     |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_546

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

|             |                     |                         |
|-------------|---------------------|-------------------------|
| Brain       |                     | Corpora Amylacea        |
| Trachea     |                     | Metaplasia, Squamous    |
| Unspecified | Multiple Organs Nos | Lymphoma, Nos-Malignant |

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_547

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|         |                             |
|---------|-----------------------------|
| Heart   | Hemangiosarcoma             |
| Liver   | Hemangiosarcoma, Metastatic |
| Trachea | Metaplasia, Squamous        |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_548

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                 |  |
|-----------------|--|
| Heart           | Hemangiosarcoma  |
| Liver           | Hemangiosarcoma, Metastatic<br>Hemorrhage<br>Necrosis, Nos |
| Lung            | Hemangiosarcoma, Metastatic<br>Hemorrhage                  |
| Preputial gland | Abscess, Nos   |
| Testis          | Atrophy, Nos   |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_549

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Heart  
Liver

Capsule

Hyperplasia, Nos  
Hemangiosarcoma  
Hemangiosarcoma, Metastatic  
Hepatocellular Adenoma

Testis  
Unspecified

Multiple Organs Nos

Atrophy, Nos  
Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_550

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6250000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|             |                     |                             |
|-------------|---------------------|-----------------------------|
| Heart       |                     | Hemangiosarcoma             |
|             |                     | Necrosis, Nos               |
| Liver       |                     | Hemangiosarcoma, Metastatic |
|             |                     | Hemorrhage                  |
| Testis      |                     | Atrophy, Nos                |
| Unspecified | Multiple Organs Nos | Lymphoma, Nos-Malignant     |

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_502

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Brain  
Kidney  
Salivary gland

Corpora Amylacea  
Inflammation, Nos  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_503

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Brain  
Kidney  
Salivary gland

Corpora Amylacea  
Inflammation, Nos  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_504

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Brain  
Kidney

Corpora Amylacea  
Hemorrhage  
Inflammation, Nos  
Hemorrhage  
Inflammation, Nos

Lung  
Salivary gland

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_505

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Thyroid

Inflammation, Nos

Follicular-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_506

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Nos

Lymph node

Hyperplasia, Nos

Pancreas

Inflammation, Nos

Salivary gland

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_507

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

|                |                        |
|----------------|------------------------|
| Brain          | Corpora Amylacea       |
| Kidney         | Inflammation, Nos      |
| Liver          | Hepatocellular Adenoma |
|                | Necrosis, Nos          |
| Lung           | Perivascular Cuffing   |
| Salivary gland | Inflammation, Nos      |

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_508

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

|                 |                           |
|-----------------|---------------------------|
| Kidney          | Inflammation, Nos         |
| Lymph node      | Hyperplasia, Nos          |
| Nasal cavity    | Inflammation, Suppurative |
| Preputial gland | Inflammation, Nos         |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_509

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney  
Lung  
Salivary gland

Inflammation, Nos  
Perivascular Cuffing  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_510

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

|                |                          |
|----------------|--------------------------|
| Kidney         | Inflammation, Nos        |
| Liver          | Hepatocellular Carcinoma |
| Salivary gland | Inflammation, Nos        |
| Thyroid        | Inflammation, Nos        |
| Tooth          | Necrosis, Nos            |

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_511

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_512

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney  
Salivary gland

Inflammation, Nos  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_513

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Salivary gland

Inflammation, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_514

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney  
Parathyroid gland

Inflammation, Nos  
Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_515

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_516

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_517

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Brain  
Kidney  
Lymph node  
Thymus

Corpora Amylacea  
Inflammation, Nos  
Hyperplasia, Nos  
Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_518

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Thyroid

Inflammation, Nos

Ectopia

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_519

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Brain  
Kidney  
Liver  
Salivary gland

Corpora Amylacea  
Inflammation, Nos  
Hepatocellular Adenoma  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_520

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney  
Lung  
Preputial gland

Inflammation, Nos  
Congestion, Nos  
Abscess, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_521

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Nos

Liver

Hepatocellular Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_522

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver  
Lymph node

Hepatocellular Adenoma  
Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_523

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

|        |                             |
|--------|-----------------------------|
| Brain  | Corpora Amylacea            |
| Heart  | Fibrosis                    |
| Kidney | Glomerulonephritis, Chronic |
| Lung   | Hematopoiesis               |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_524

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Brain

Kidney

Corpora Amylacea

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_525

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Brain  
Kidney  
Lung

Corpora Amylacea  
Inflammation, Nos  
Perivascular Cuffing

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_526

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Salivary gland

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_527

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Brain

Kidney

Lung

Salivary gland

Corpora Amylacea

Inflammation, Nos

Hemorrhage

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_528

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_529

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Nos

Lymph node

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_530

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Brain

Kidney

Corpora Amylacea

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_531

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Esophagus  
Lung  
Nasal cavity

Dilatation, Nos  
Congestion, Nos  
Foreign Body, Nos  
Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_532

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Brain  
Kidney

Corpora Amylacea  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_533

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Brain  
Kidney

Cortex Nos

Hyperplasia, Nos  
Corpora Amylacea  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_534

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Brain  
Kidney

Corpora Amylacea  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_535

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver  
Lung  
Nasal cavity

Hepatocellular Carcinoma  
Alveolar/Bronchiolar Adenoma  
Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_536

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney  
Lung

Inflammation, Nos  
Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_537

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Brain  
Kidney

Corpora Amylacea  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_538

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Salivary gland

Inflammation, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_539

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

|            |                              |
|------------|------------------------------|
| Kidney     | Inflammation, Nos            |
| Lung       | Alveolar/Bronchiolar Adenoma |
| Lymph node | Hyperplasia, Nos             |

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_540

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney  
Thymus  
Tooth

Inflammation, Nos  
Cyst, Nos  
Necrosis, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_541

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney  
Liver  
Salivary gland

Inflammation, Nos  
Cytoplasmic Change, Eosinophilic  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_542

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

|        |                          |
|--------|--------------------------|
| Brain  | Corpora Amylacea         |
| Kidney | Inflammation, Nos        |
| Liver  | Hepatocellular Carcinoma |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_543

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

|                |                   |
|----------------|-------------------|
| Brain          | Corpora Amylacea  |
| Kidney         | Inflammation, Nos |
| Lung           | Hemorrhage        |
| Lymph node     | Hyperplasia, Nos  |
| Salivary gland | Inflammation, Nos |

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_544

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Brain

Kidney

Lung

Corpora Amylacea

Inflammation, Nos

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_545

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney  
Lung

Inflammation, Nos  
Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_546

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung

Hyperplasia, Alveolar Epithelium

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_548

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

|         |                   |                           |
|---------|-------------------|---------------------------|
| Kidney  |                   | Inflammation, Nos         |
| Liver   |                   | Hepatocellular Adenoma    |
| Stomach | Glandular Stomach | Inflammation, Suppurative |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50602A

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,3-Butadiene

**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:28:00

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_549

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Brain

Kidney

Corpora Amylacea

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50602A  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1,3-Butadiene  
**CAS Number:** 106-99-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:28:00  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_550

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney  
Lymph node  
Thyroid

Inflammation, Nos  
Hyperplasia, Nos  
Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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**\*\* END OF REPORT \*\***